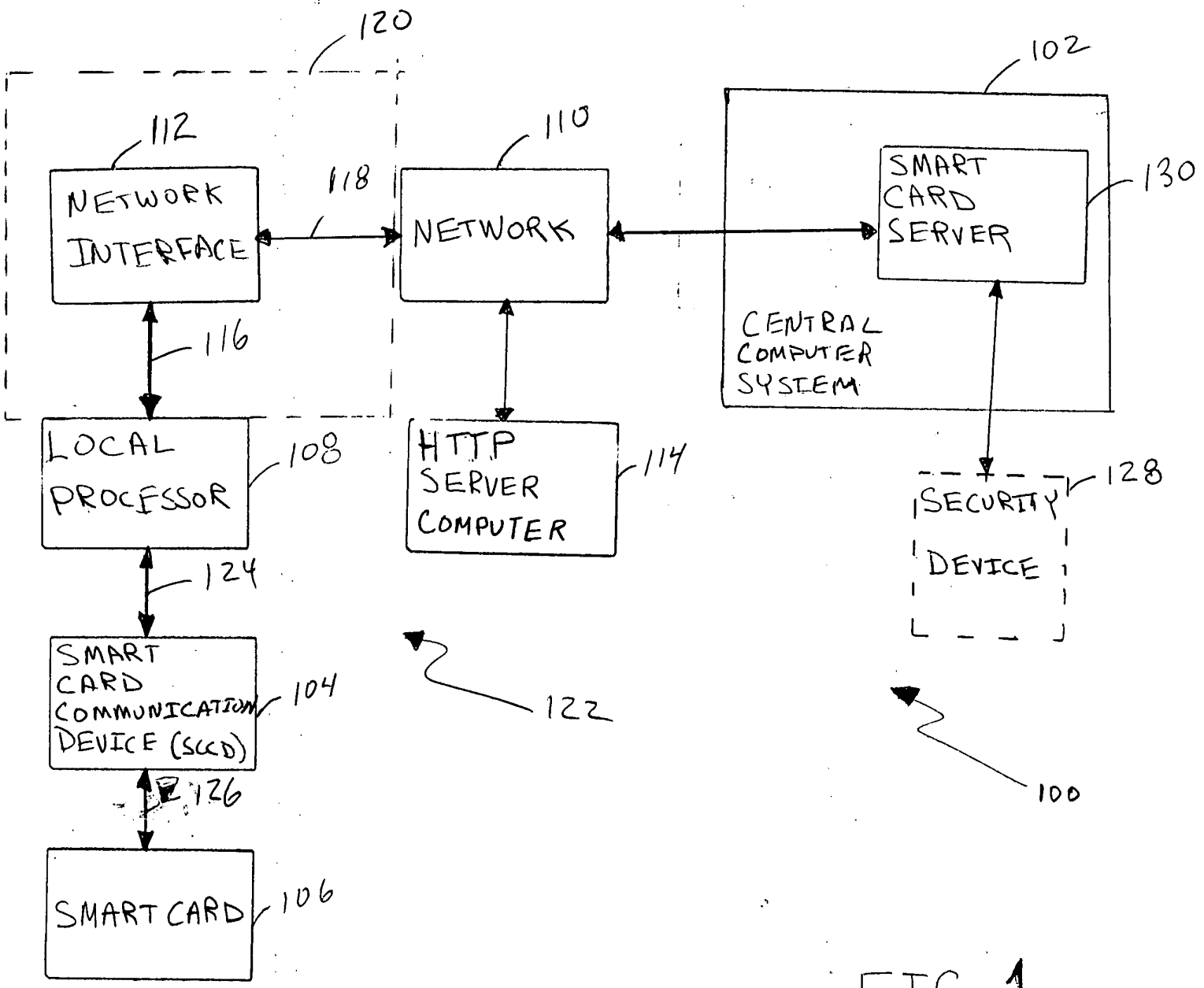


FIG. 1

09360069.072399

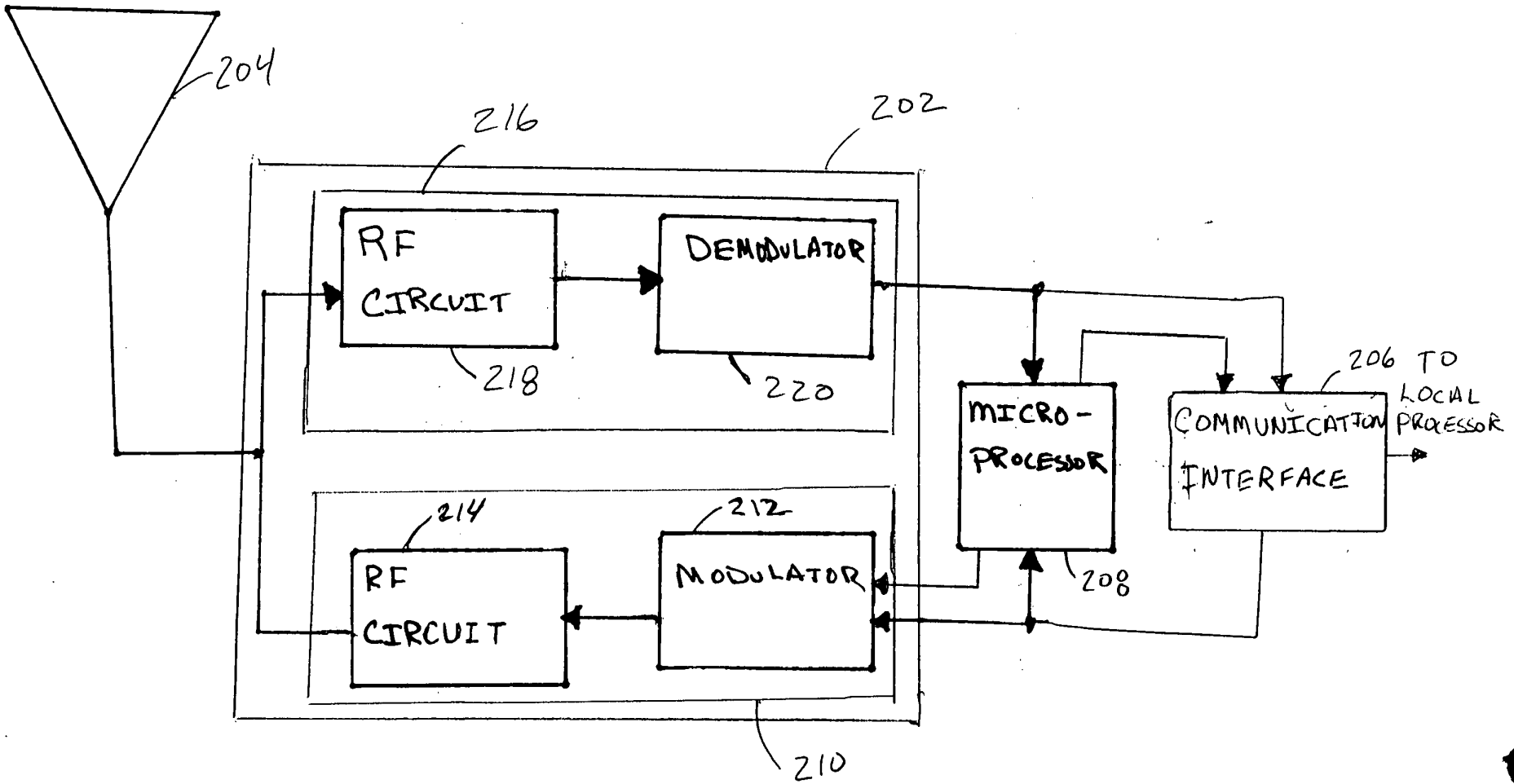

204
216
202
RF
CIRCUIT
218
DEMODULATOR
220
MICRO-
PROCESSOR
206 TO
LOCAL
PROCESSOR
COMMUNICATION
INTERFACE
214
RF
CIRCUIT
212
MODULATOR
208
210

FIG. 2

104

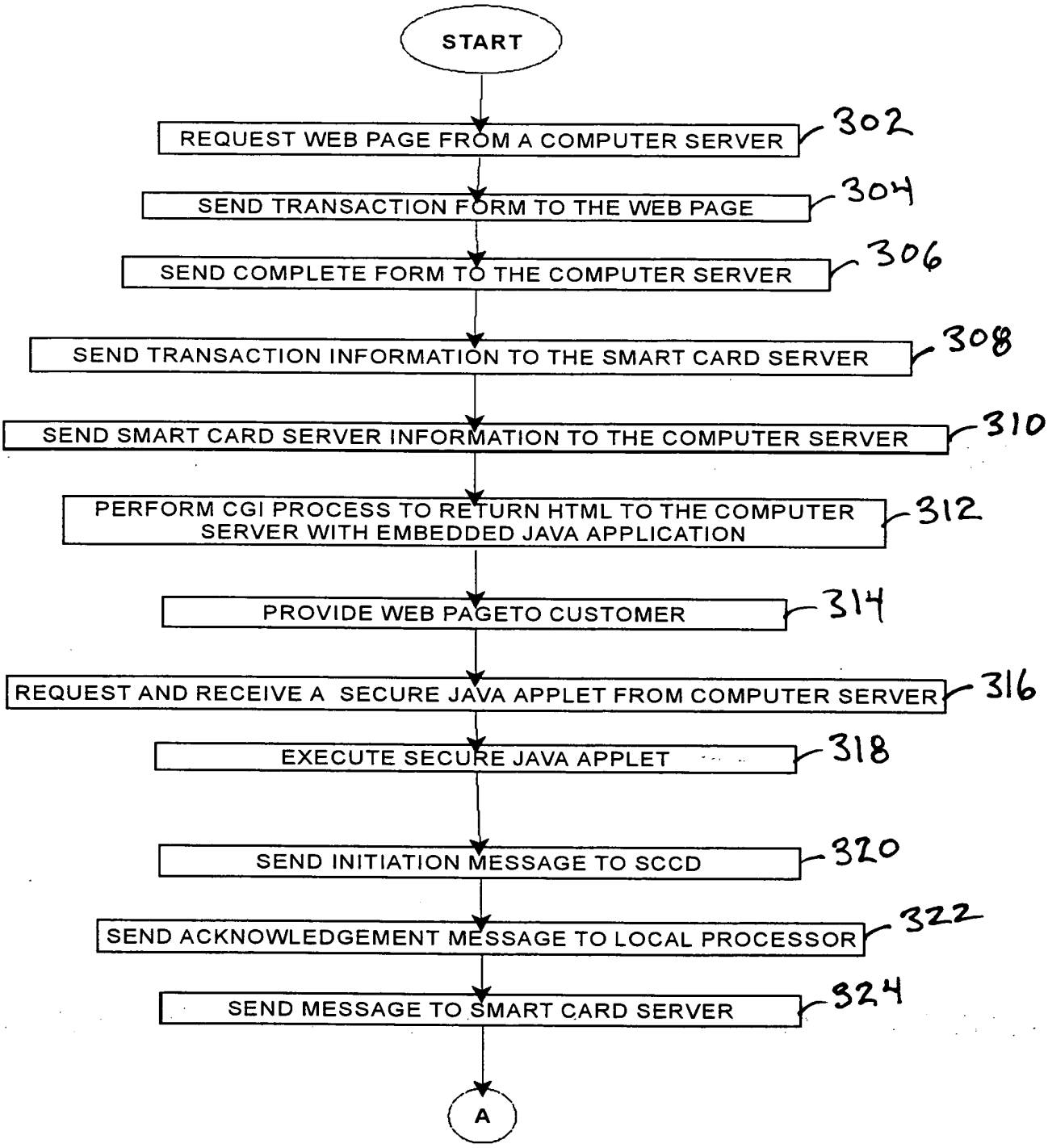

START
REQUEST WEB PAGE FROM A COMPUTER SERVER
302
SEND TRANSACTION FORM TO THE WEB PAGE
304
SEND COMPLETE FORM TO THE COMPUTER SERVER
306
SEND TRANSACTION INFORMATION TO THE SMART CARD SERVER
308
SEND SMART CARD SERVER INFORMATION TO THE COMPUTER SERVER
310
PERFORM CGI PROCESS TO RETURN HTML TO THE COMPUTER SERVER WITH EMBEDDED JAVA APPLICATION
312
PROVIDE WEB PAGETO CUSTOMER
314
REQUEST AND RECEIVE A SECURE JAVA APPLET FROM COMPUTER SERVER
316
EXECUTE SECURE JAVA APPLET
318
SEND INITIATION MESSAGE TO SCCD
320
SEND ACKNOWLEDGEMENT MESSAGE TO LOCAL PROCESSOR
322
SEND MESSAGE TO SMART CARD SERVER
324
A

FIG. 3

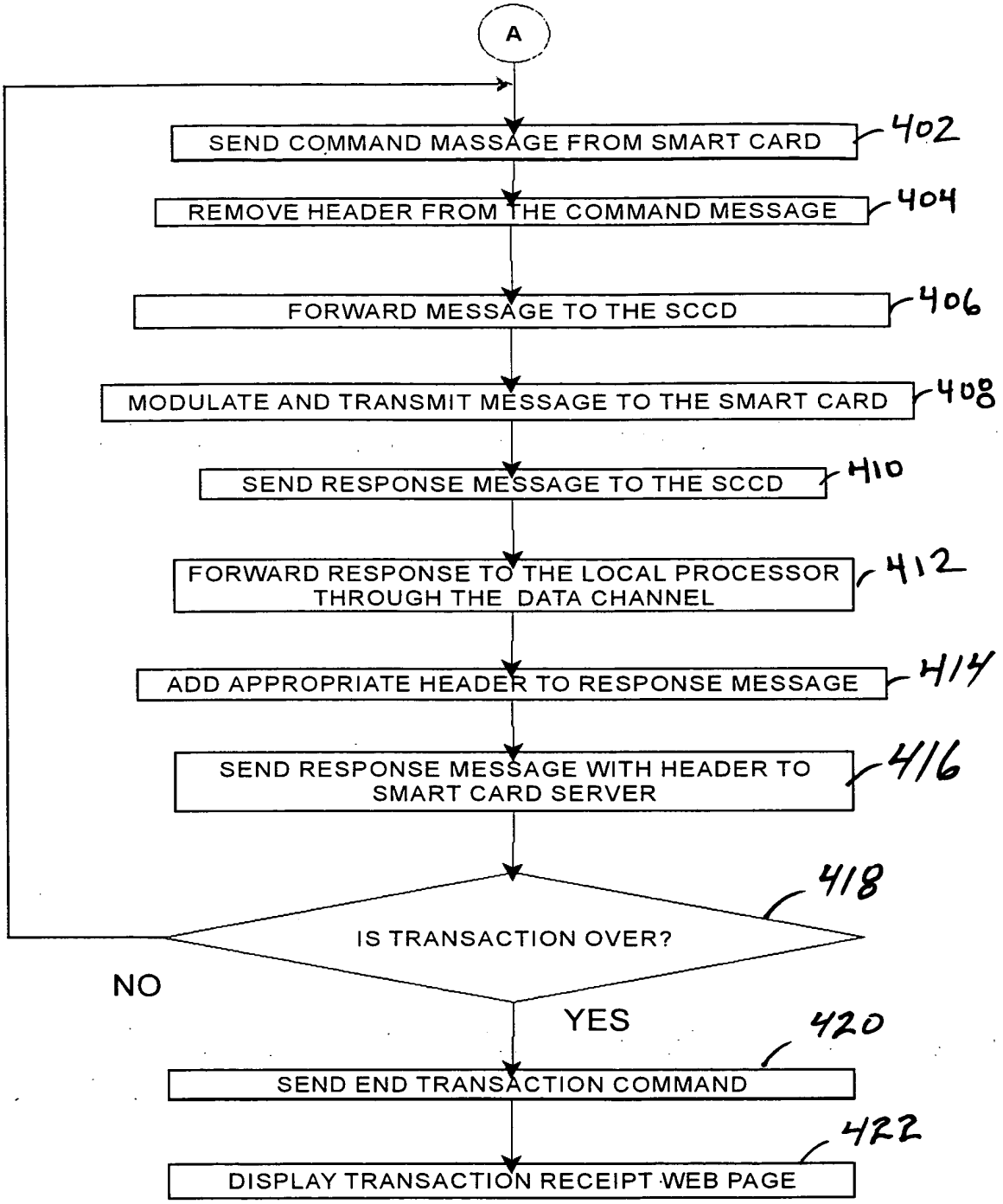

A
SEND COMMAND MASSAGE FROM SMART CARD
402
REMOVE HEADER FROM THE COMMAND MESSAGE
404
FORWARD MESSAGE TO THE SCCD
406
MODULATE AND TRANSMIT MESSAGE TO THE SMART CARD
408
SEND RESPONSE MESSAGE TO THE SCCD
410
FORWARD RESPONSE TO THE LOCAL PROCESSOR THROUGH THE DATA CHANNEL
412
ADD APPROPRIATE HEADER TO RESPONSE MESSAGE
414
SEND RESPONSE MESSAGE WITH HEADER TO SMART CARD SERVER
416
IS TRANSACTION OVER?
418
NO
YES
SEND END TRANSACTION COMMAND
420
DISPLAY TRANSACTION RECEIPT WEB PAGE
422

FIG. 4

502

504

Welcome to the GO CARD Web Target Demonstration page. These Web pages allow you to interact with your GO CARD over the internet. With them you can check your GO CARD's present value and even add monies to it from a credit card.

To use this technology you need to have the following:

- A Web Target from Cubic Corp.
- An internet enabled PC running either Windows 95/98 or Windows NT
- Any available serial port to connect the Web Target to your computer
- Microsoft's Internet Explorer Browser version 4.02 or higher

506

500

Assuming you have all this,

Place your GO CARD on the Web target 508

Check | Add Value

510

FIG. 5

09960068 - 072399

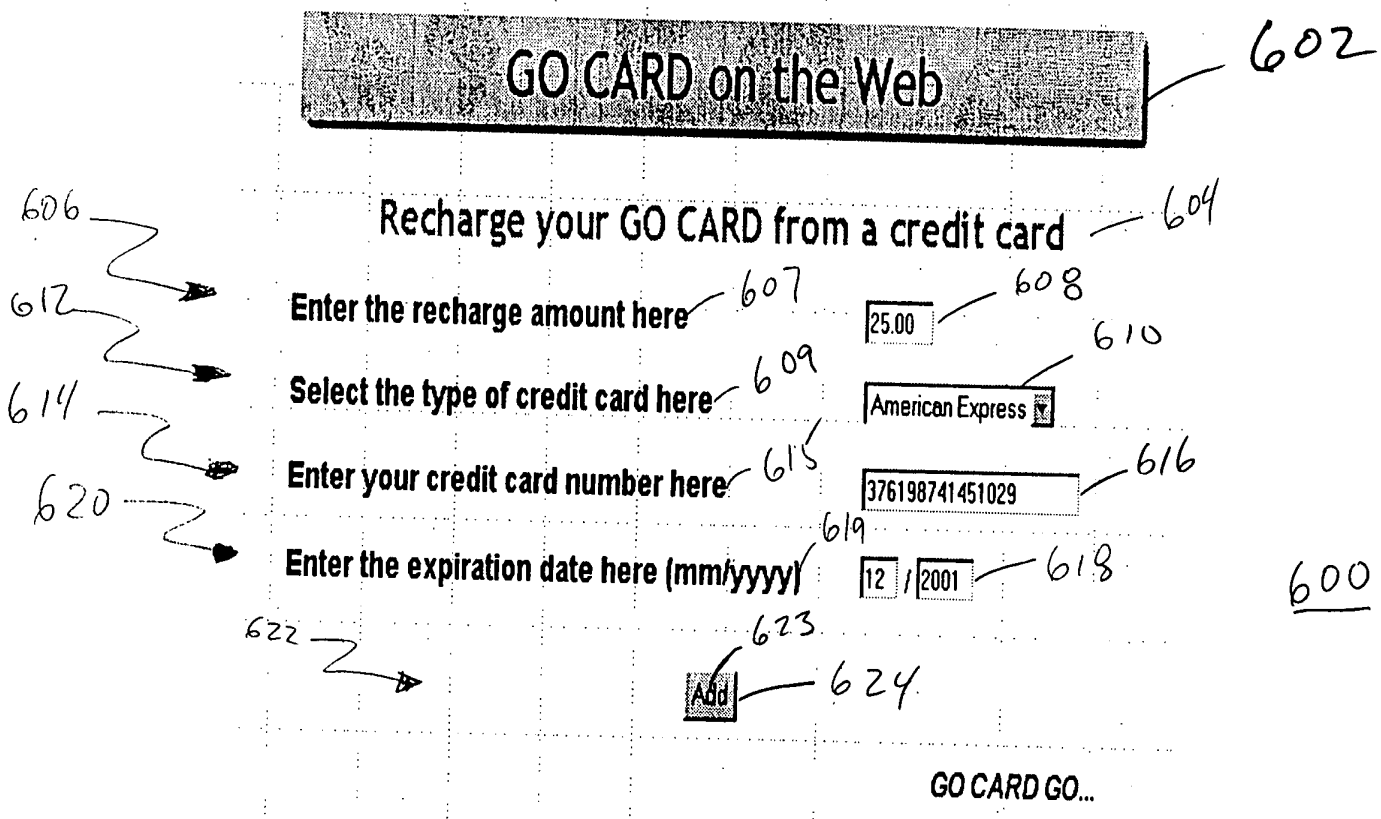
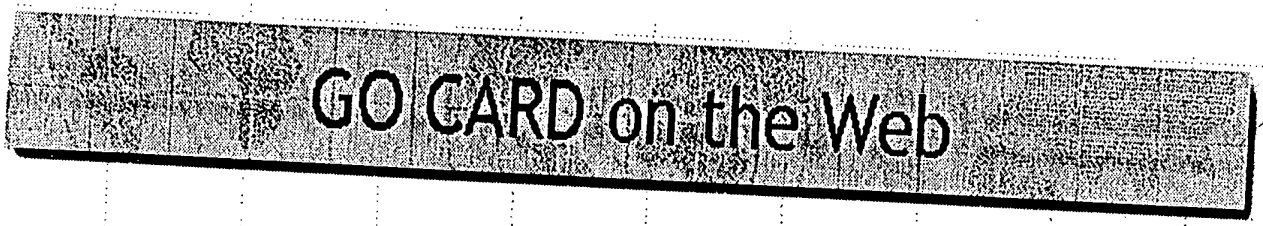


FIG. 6

09360060 - 072399



702

Please wait while the funds are transferred: spawning java....

Credit Card Receipt:
Your American Express card number 376198741451029
Expiring on 12/2001 has been charged $25.00

704

GO CARD Receipt:
Your GO CARD registered to Woodsy Owl
has been credited $25.00 and now
has a current balance of $26.00
It was last changed at 10:08 (24 hour time)
Thank you for your patronage, have a nice day. :-)

700

706

FIG. 7

09360969.072399